|            | Г              | ISSUE SLIP STAPLE AREA (for additional cross-references)  ISSUING CLASSIFICATI N |              |           |                 |          |           |           |          |              |          |           |                             |          |              |              |           |           |          |           |              |                      |                 |      |                         |        |           |          |          |                     |          |             |           |
|------------|----------------|--|--------------|-----------|-----------------|----------|-----------|-----------|----------|--------------|----------|-----------|-----------------------------|----------|--------------|--------------|-----------|-----------|----------|-----------|--------------|----------------------|-----------------|------|-------------------------|--------|-----------|----------|----------|---------------------|----------|-------------|-----------|
|            |                | Т  | _            | - 14      | <u> </u>        | U        | NC        | š C       | LA       | <u>153</u>   | SIF      | 1C/       | AT                          | FF       | N<br>ER      | -N(          | :E/       | 61        |          |           |              |                      | _               | 4    | $\overline{\mathbf{A}}$ |        |           |          |          |                     |          |             |           |
|            | CLASS SUBCLASS |  |              |           |                 |          |           | Ĺ         | Ci       | AS           | Ş        | 1         | CROSS REFE<br>SUBCLASS (ONI |          |              |              |           |           |          |           |              | E SUBCLASS PER BLOCK |                 |      |                         |        |           |          | :K)      | ÷                   | ⋞        |             |           |
|            |                |  |              |           | l               |          |           |           |          | L            |          |           |                             | I        |              |              |           |           |          |           |              |                      | T               |      |                         | T      |           |          | T        |                     |          | Lee         |           |
|            | Г              |  | INT          | EDI       | TAL             | ON       | Α1        |           | _        | t            |          |           | _                           | 1        | _            |              |           | -         |          | +         | _            |                      | +               |      |                         | ┿      |           |          | ╀        |                     | -        | 5           | 7         |
|            |                |  | CLA          | SSI       | FIC             | ATI      | ON        |           |          | H            |          |           |                             | +        |              |              | ⊣         | _         |          | -         | _            |                      | +               |      | _                       | +      |           |          | ╀        | _                   |          | pert.       |           |
|            | H              | Т  | Т            | r         |                 |          | ī         | _         | -        | ┞            |          |           | _                           | ╂        |              |              | 4         |           | _        | 4         |              |                      | 4               |      |                         | ╀      |           |          | L        |                     |          | 6           |           |
|            | -              | ╀╌   | ╀            | H         | _               |          |           |           | _        | L            |          |           |                             | 1        | _            |              | _         |           |          | _         |              |                      |                 |      |                         |        |           |          |          |                     |          | ~           | 4         |
|            | 1              | ╀  | 4            | L         |                 |          | _         |           |          | L            |          |           |                             | 1        |              |              |           |           |          |           |              |                      |                 |      |                         |        |           |          | Г        |                     |          | -           |           |
|            | 4              | L  | L            | L         |                 |          |           |           |          |              |          |           |                             | I        |              |              |           |           |          |           |              |                      | T               |      |                         | Т      |           |          |          |                     | ヿ        | 1           | 200       |
|            |                | L  |              |           |                 |          | 1         |           |          |              |          |           |                             | T        |              |              | 7         |           |          | T         |              |                      | 7               |      |                         | T      |           |          | T        |                     | $\dashv$ | 1           | Ť         |
|            | $\perp$        | L  |              |           |                 |          | ī         |           |          |              |          |           |                             | 1        |              | _            | 7         | _         | ^        | Ca        | ntin         | ue                   | d or            | ı is | SUA                     |        | in Ir     | neir     |          | ilo                 | <u> </u> | 40          | 4         |
| 9          | ,              |  |              |           | Dale            |          | _         | _         |          |              |          |           |                             | -1       | ND           | EX           | OF        | CL        | Al.      | 48        |              |                      |                 |      |                         |        |           |          |          |                     |          | -           |           |
| G          | =              | ••••   | •••••        |           | Allo            | WOO      | <u> </u>  | - (1<br>+ | nrou     | <b>IG</b> IN |          |           |                             | Ca<br>Re | nce<br>stric | bet<br>bet   |           |           | N.       | •••••     | ••••         |                      | Non-<br>Inter   | elec | cted                    | A      |           | •••••    | •••••    | App                 | peal     |             | 7         |
| -          | laim           | 1/2  | 1-           | _         |                 | D        | ate       | _         | _        | _            |          | Clei      | m                           |          | _            | _            | _         | Dat       | е        |           | _            |                      | Ï               |      | im                      | Ĭ      |           |          | £        | ate                 | OCIE     |             | 5         |
| -          | Original       | Ka   |              |           |                 |          |           |           |          |              |          | Final     | tha                         |          |              |              |           | ļ         |          |           |              | 1                    |                 |      | 2                       |        |           |          |          |                     | П        | П           | T         |
|            | हि             | K  |              |           |                 |          |           |           | - 1      | ,            |          | 훈         | 5                           |          |              | - 1          | -         |           |          |           |              |                      |                 | 룓    | Original                |        |           |          |          | ۱,                  |          |             |           |
| · [        | T              |  |              |           |                 |          |           |           | コ        |              | - [      |           | 51                          | ٦        | 7            | ┪            | +         | ┪         | $\dashv$ | $\dashv$  | -            |                      |                 | 4    | 101                     | Ͱ      | ŀ÷        | -        | -        | Н                   | $\dashv$ | $\dashv$    | -         |
| I. F       | 1              | H  | Н            | 4         | $\Box$          | _        | 4         | 4         | 4        | 4            | ļ        |           | 52<br>53                    | $\Box$   | コ            | コ            | $\exists$ | I         | コ        |           |              |                      |                 |      | 102                     |        |           |          |          | H                   | 7        | _           | +         |
| ZE         | #              | Н  | H            | $\exists$ | _               | +        | -         | $\dashv$  | +        | $\dashv$     | ł        |           | 33<br>54                    | +        | $\dashv$     | +            | +         | +         | +        | -         | -            | $\dashv$             | -               |      | 103<br>104              | L      |           | Ц        | Ц        | $\Box$              | 7        | コ           | ユ         |
|            | ,              |  |              | $\exists$ | $\exists$       | 1        | $\exists$ |           | _        | ╛            | Ì        |           | 55                          | 7        |              | 1            | $\forall$ | 1         | +        | +         | +            | $\dashv$             | ` <b> </b>      |      | 105                     | -      | H         | Н        | Н        | $\dashv$            | +        | +           | +         |
| .⊢         | 18             | Н  | +            | +         | +               | 4        | +         | 4         | +        | 4            | ŀ        |           | 58<br>57                    | 4        | 4            | 4            | $\dashv$  | $\exists$ | 7        | $\Box$    | $\sqsupset$  |                      | Ţ               |      | 106                     |        |           |          |          | $\exists$           | 士        | 士           | $\pm$     |
| E          |                |  | 1            | 1         | 7               | ╅        | +         | $\dagger$ | +        | ┥            | ŀ        |           | 8                           | +        | +            | +            | +         | +         | +        | $\dashv$  | $\dashv$     | ᅱ                    | -               |      | 107<br>108              | Ц      | Н         |          | $\dashv$ | 7                   | 7        | 7           | T         |
| ,          |                | $\Box$   | Į            | 4         | $\exists$       | Ţ        | 7         | 1         | $\top$   | ]            |          |           | 9                           | I        | 1            | İ            | 1         | 1         | $\pm$    | $\exists$ | 7            | $\exists$            | h               | _    | 109                     | -      | $\dashv$  | $\dashv$ | 4        | ╅                   | +        | +           | +         |
| 17         | 1              | ┥  | +            | +         | +               | +        | +         | +         | +        | 4            | -        |           | 0                           | +        | 4            | 4            | 1         | 4         | 7        | $\dashv$  | $\exists$    | $\exists$            |                 |      | 110                     |        | $\exists$ | $\Box$   |          | コ                   | 土        | 土           | 土         |
|            | 12             | 1  |              | İ         | 1               | $\pm$    | $\pm$     | $\pm$     | 1        | 1            | t        |           | 2                           | +        | +            | +            | +         | +         | +        | ┿         | +            | $\dashv$             | -               |      | 111<br>112              | -      | $\dashv$  | 4        | 4        | 4                   | +        | 4           | $\bot$    |
| -          | 13             | 4  | 4            | 4         | 7               | 7        | 7         | 7         | Ţ        | ]            |          | _         | 3                           | 1        | 1            |              | 1         | I         |          | 土         | $\pm$        | ╛                    | E               | 1    | 113                     | 1      | +         | +        | +        | +                   | 十        | ┿           | ╁         |
| ` <b>-</b> | 1              | ╁  | +            | +         | +               | ╁        | +         | ╁         | ╀        | $\dashv$     | ŀ        | 6         | _1                          | ╀        | +            | +            | +         | +         | +        | +         | 4            | 7                    | F               | _    | 14                      | $\Box$ | 7         | I        | 7        | 1                   | #        | 工           | 工         |
|            | [6]            | I  | I            | 1         | 1               | 1        | I         | 土         | İ        | j            | L        | 6         |                             | 1        | t            | $^{\dagger}$ | +         | +         | +        | +         | +            | ┥                    | H               | _    | 16                      | +      | ╅         | ╁        | +        | +                   | ╀        | ╀           | +~        |
| ·  -       | 8              | +  | +            | +         | ╀               | +        | +         | ╀         | +        | 4.           | F        | 6         |                             | Ţ        | Ţ            | Ţ            | Ţ         | I         | 1        | Ţ         | 1            | 7                    |                 |      | 17                      | コ      | I         | $\pm$    | 1        | 1                   | 土        | †           | +         |
|            | 9              | $^{\dagger}$   | $^{\dagger}$ | +         | +               | †        | +         | +         | +        | 1            | $\vdash$ | 61        | _                           | +        | +            | ╁            | +         | +         | ╁        | +         | +            | 4                    | $\vdash$        |      | 18<br>19                | 4      | 4         | 4        | 1        | Ţ                   | Ţ        | I           |           |
|            |                | Ţ  | Ţ            | F         | I               | Ţ        | Ţ         | T         | T        | 1            |          | 70        |                             | I        |              | I            | İ         | 土         | $\pm$    | 土         | $^{\dagger}$ | 1                    | -               |      | 20                      | ╅      | +         | +        | +        | +                   | ╁        | ╀           | +         |
| H          | 12             | +  | +            | ╁         | +               | ╁        | ╁         | +         | ╁        | ┨            | $\vdash$ | 71        |                             | +        | ╀            | +            | ╀         | ╀         | +        | F         | Ŧ            | 7                    | F               |      | 21<br>22                | 7      | Ţ         | 1        | 1        | I                   | 土        | İ           | 口         |
|            | 3              | I  | T            | T         |                 | T        | Τ         | İ         | Ĺ        | 1            |          | 73        |                             | +        | +            | ╁            | +         | ╁         | 十        | ╁         | +            | $\dashv$             | $\vdash$        |      | 23                      | +      | +         | +        | +        | ╬                   | +        | ╀           | +         |
| -          | 74<br>15       | +  | ╀            | ╀         | ╀               | ╀        | ╀         | ╀         | ╀        | -            | F        | 74<br>75  |                             | Ţ        | I            | Ţ            | T         | Ţ         | I        | I         | I            | ]                    |                 |      | 24                      | I      | 1         | 1        | İ        | 1                   | 1        | $\dagger$   | H         |
|            | <b>76</b>      | $\pm$  | 土            | 上         | 1               | ╁        | $^{+}$    | ╁         | ╁        | 1            | H        | 76        |                             | ╀        | ╁            | ╁            | ╀╌        | ╀         | ╁        | ╁         | ╁            | -                    | $\vdash$        |      | 25<br>26                | +      | +         | +        | 1        | Ţ                   | F        | F           | $\Box$    |
|            | 37<br>28       | ļ  | Ŧ            | F         | Ţ               | F        | I         | Γ         | L        | 1            | Г        | 77        |                             | I        | L            |              | İ         | İ         |          |           | t            | _                    |                 | 12   |                         | ╁      | +         | +        | ╁        | +-                  | ┿        | ╁╴          | Н         |
|            | 49             | +  | +            | ╁╴        | +               | $\vdash$ | ╁         | -         | $\vdash$ | 1            | -        | 78<br>79  |                             | +        | +            | +-           | $\perp$   | 1         | 1        | F         | F            | 4                    | F               | 12   | 8                       | T      | Ţ         | 1        | Ţ        | I                   | 丰        | 厂           | 口         |
|            | 10             | I  | I            |           |                 |          |           | 口         | L        | 1            |          | 80        | T                           | $\perp$  | t            | †            | $\vdash$  | +         | +-       | +         | +            | 1                    | $\vdash$        | 13   |                         | +      | +         | +        | +        | +                   | +        | +           | H         |
|            | 31 32          | +  | +            | ╀         | ╀               | +        | +         | F         | <u> </u> | 1            | F        | 81<br>82  | 1                           | Г        | Γ            | Г            | Γ         | Γ         | $\Box$   | I         | T            | 1                    |                 | 13   | _                       | 1      | 1         | $\perp$  | 1        | 1                   | T        | $\vdash$    | H         |
|            | <u>3</u>       | $\perp$  | $\perp$      |           | İ               | $\vdash$ | $\vdash$  | +         | ╁        |              | $\vdash$ | 83        | $\vdash$                    | $\vdash$ | +            | $\vdash$     | +-        | -         | ╀        | +         | +            | -                    | $\vdash$        | 13   | _                       | +      | Ŧ         | F        | F        | F                   | F        | $\sqsubset$ | 口         |
|            | 37             | F  | F            | F         | $\vdash$        |          | _         | 匚         |          | ]            |          | 84        |                             |          |              |              |           |           | T        | I         | $\pm$        | 1                    |                 | 13   | 4                       | +      | +-        | +        | +        | ╁                   | +-       | H           | Н         |
|            | 36             | ╁  | +            | 1-        | +-              | $\vdash$ | ╀         | -         | <u> </u> |              | $\vdash$ | 85<br>86  | $\vdash$                    | 1        | H            | $\vdash$     |           | F         | F        |           | Г            | ]                    |                 | 13   |                         | I      | T         | I        |          | L                   |          |             | 口         |
|            | 3/7            | I  |              |           |                 |          |           |           |          |              | ┝        | 87        | ┢                           | ┝        | ╁╴           | -            | ┝         | H         | +-       | ⊢         | ┝            | -                    | -               | 13   |                         | ╀      | ╀         | ╀-       | ╀        | -                   | Н        | П           | П         |
| -          | 9              | -  | F            | ļ         | L               | Ĺ        |           |           |          |              |          | 88        |                             |          |              |              |           |           |          |           |              | j                    |                 | 13   | 8                       | +      | +         | †-       | 十        | ┝                   | Н        | Н           | Н         |
| 1 6        | <b>D</b>       | 7  | ╁            | ┝         | H               |          | -         | H         | Н        |              | _        | 89<br>90  | -                           | -        | <u> </u>     | $\vdash$     |           | -         | ļ.,      | L         | L            | -                    |                 | 13   |                         | Ţ      | I         | L        | I        | 匚                   |          |             | $\Box$    |
|            | עופ            |  |              |           |                 |          |           |           |          |              |          | 91        |                             |          |              |              |           | H         |          | -         | +            | 1                    | -               | 14   |                         | +-     | +-        | +        | ╁        | $\vdash$            | $\vdash$ | $\dashv$    | H         |
|            | 12<br>13       | $\vdash$   | -            | $\vdash$  | Н               | -        | H         | Н         | $\sqcup$ |              |          | 92<br>93  | П                           | Ц        | L            |              |           |           | E        |           |              | ]                    |                 | 14:  |                         |        | I         | L        | L        |                     |          | H           |           |
| 17         | 4              |  |              |           | Н               |          |           |           | -        |              | _        | 94        | Н                           | $\vdash$ | _            | -            | Н         | _         | -        | $\vdash$  | $\vdash$     | -                    | -               | 144  |                         | 1      | +         | F        | F        | П                   | Д        | コ           | $\Box$    |
|            | <u>9</u>       | -  | П            |           | П               |          |           |           | $\Box$   |              |          | 95        |                             |          |              |              |           |           |          |           |              | 1                    |                 | 145  |                         | +      | +         | ╁        | ⊢        | Н                   | $\vdash$ | +           | $\dashv$  |
| 17         | 7              | $\vdash$   | Н            | $\vdash$  | $\vdash$        | -        | Н         | $\dashv$  |          | -            | 4        | 96<br>97  | 4                           | 4        |              | П            |           | _         | Ц        |           |              | ]                    | $\Box$          | 146  |                         |        |           |          |          |                     |          | _           | ゴ         |
|            | <u>s</u>       |  |              |           |                 |          |           |           |          |              |          | 98        |                             |          |              | $\vdash$     | -         | _         | -        | $\dashv$  | H            |                      | $\vdash \vdash$ | 147  |                         | ⊢      | ⊣         | $\vdash$ | <u> </u> | $\vdash \downarrow$ | 7        | $\dashv$    | 7         |
|            | 9 \            | -  | $\vdash$     | _         | $\vdash \vdash$ | 4        |           | 4         | 7        |              |          | 99<br>100 | 7                           |          |              |              |           |           |          |           |              |                      |                 | 149  | 1                       |        |           |          | $\vdash$ | H                   | ┥        | +           | $\dashv$  |
|            | -V             | _  | اـــا        |           |                 | lf       | mo<br>L   | re t      | i<br>har | 11:          |          |           | ms                          | or       | 9 a          | ctio         | ns        | sta       |          | ade       | litic        |                      | i sh            | 150  | )<br>be                 |        | 匚         |          |          |                     | 二        | 二           | $\exists$ |

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